

10 WAVELET INVERSE TRANSFORM DEVICE

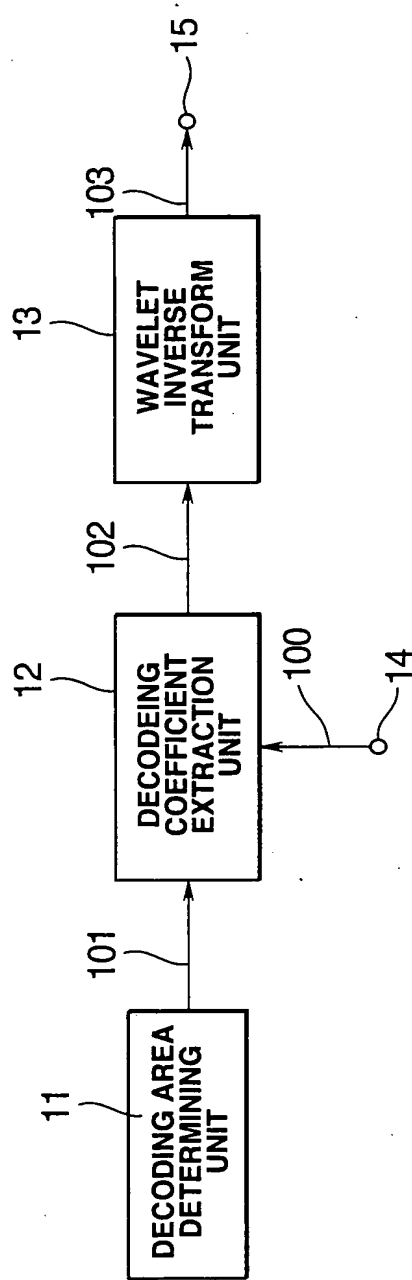


FIG.1

# FIG. 2



Diagram illustrating the 2D grid structure for a 2D FFT, showing the splitting level and dimensions.

The grid is divided into four quadrants based on the splitting level (2):

- Top-Left Quadrant: HL
- Top-Right Quadrant: HH
- Bottom-Left Quadrant: LL
- Bottom-Right Quadrant: LH

The grid is further subdivided into smaller blocks, with dimensions labeled as  $X\_SIZE/2$ ,  $X\_SIZE/4$ ,  $Y\_SIZE/2$ , and  $Y\_SIZE/4$ .

SPLITTING LEVEL=2  
(H: HIGH, L: LOW)

**FIG. 4**

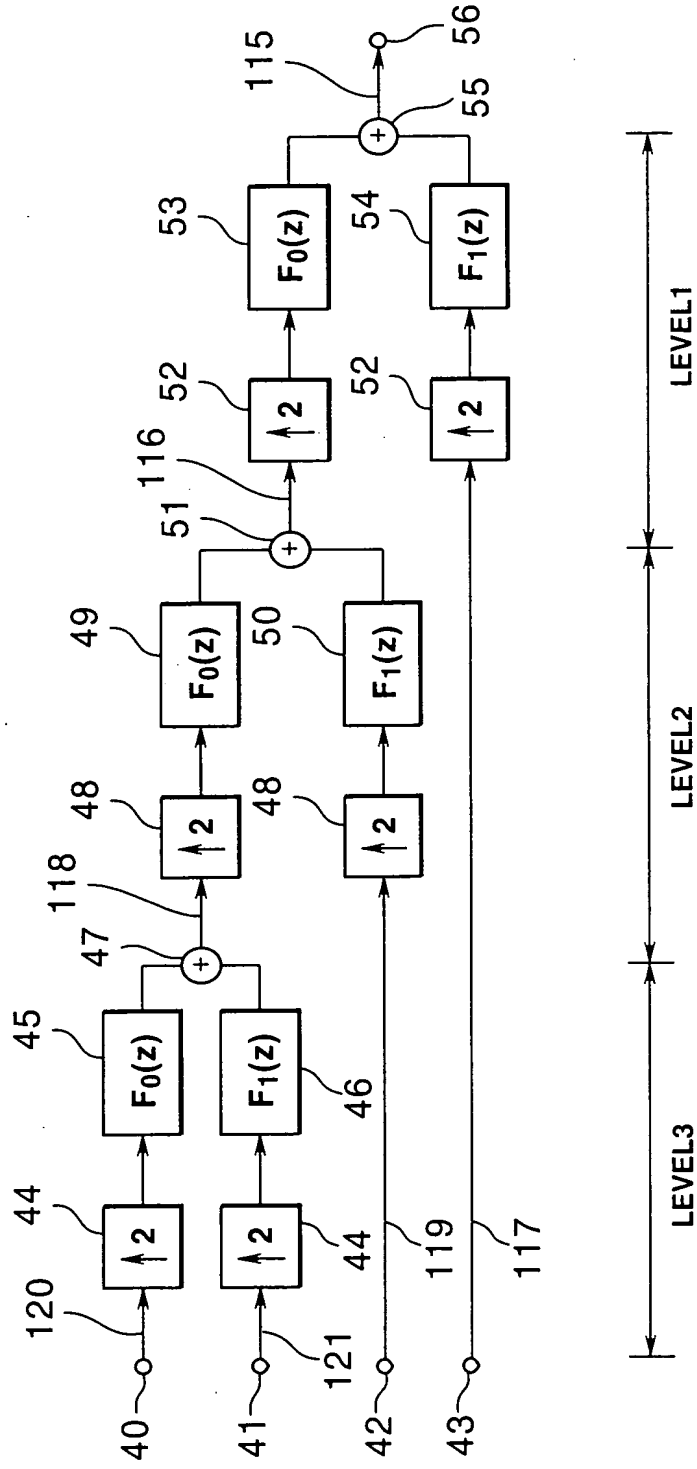
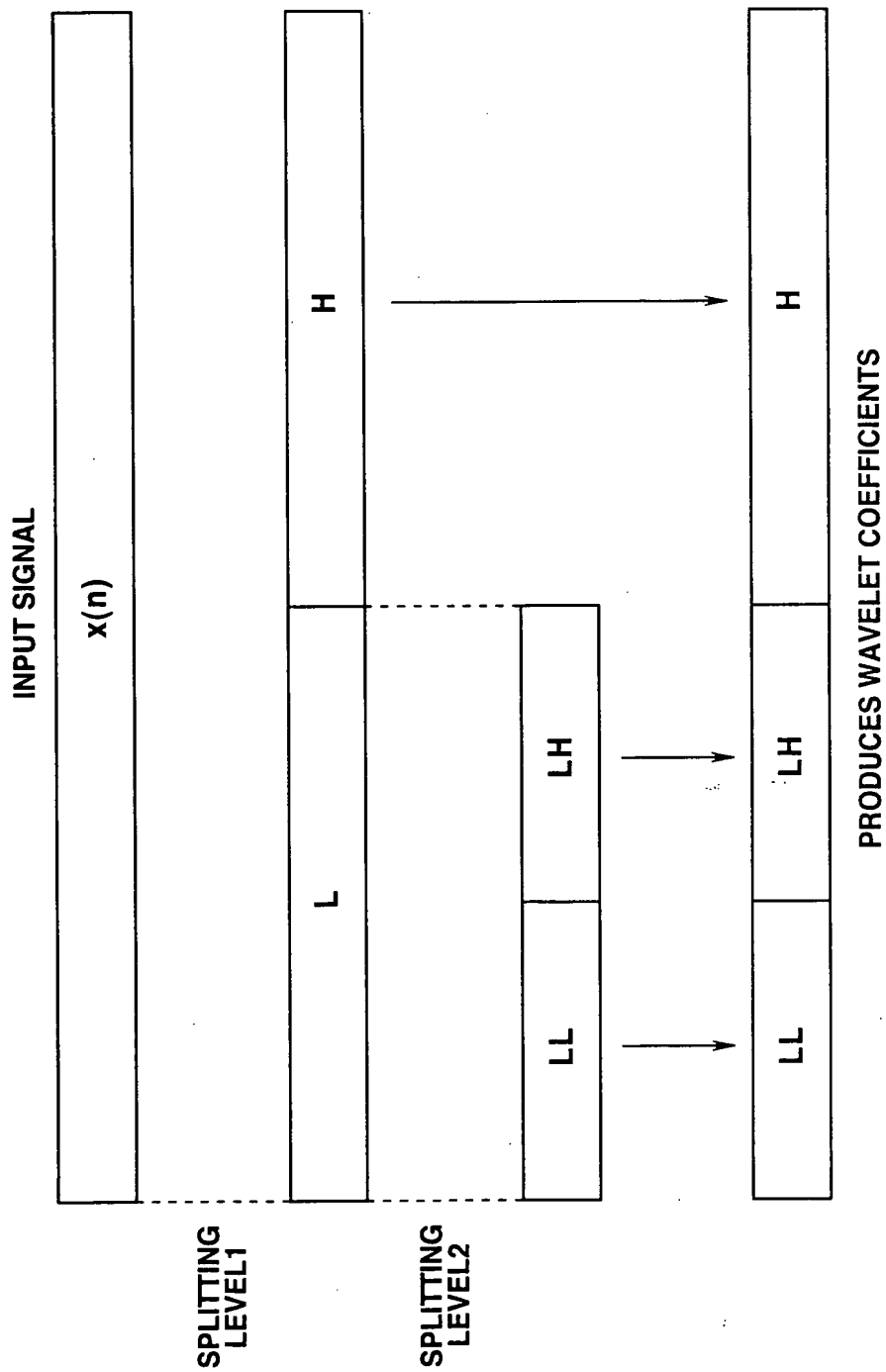


FIG.5



**FIG.6**

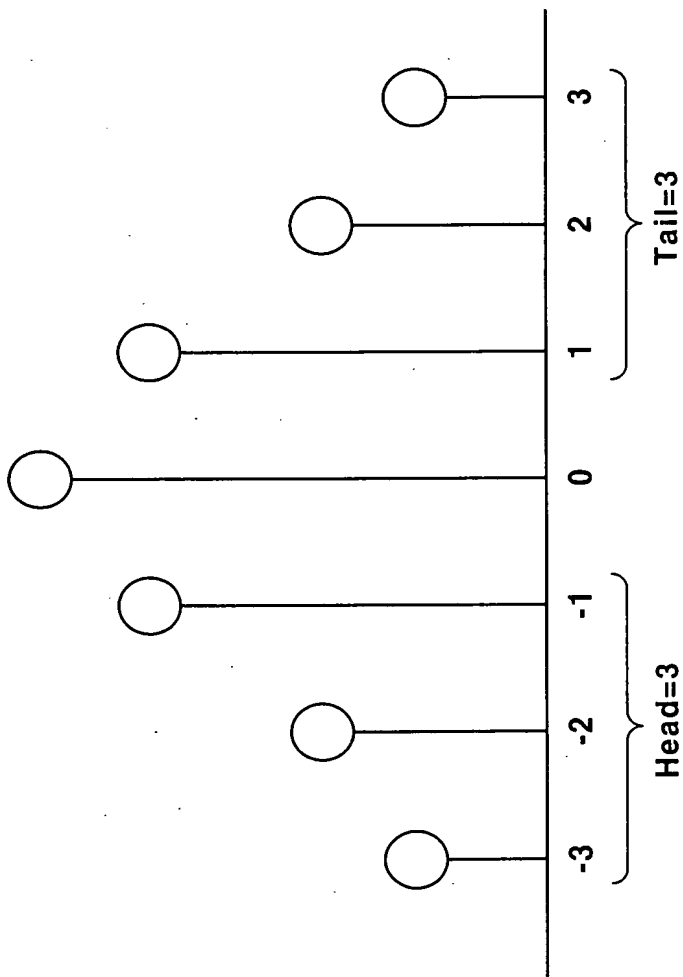


FIG.7

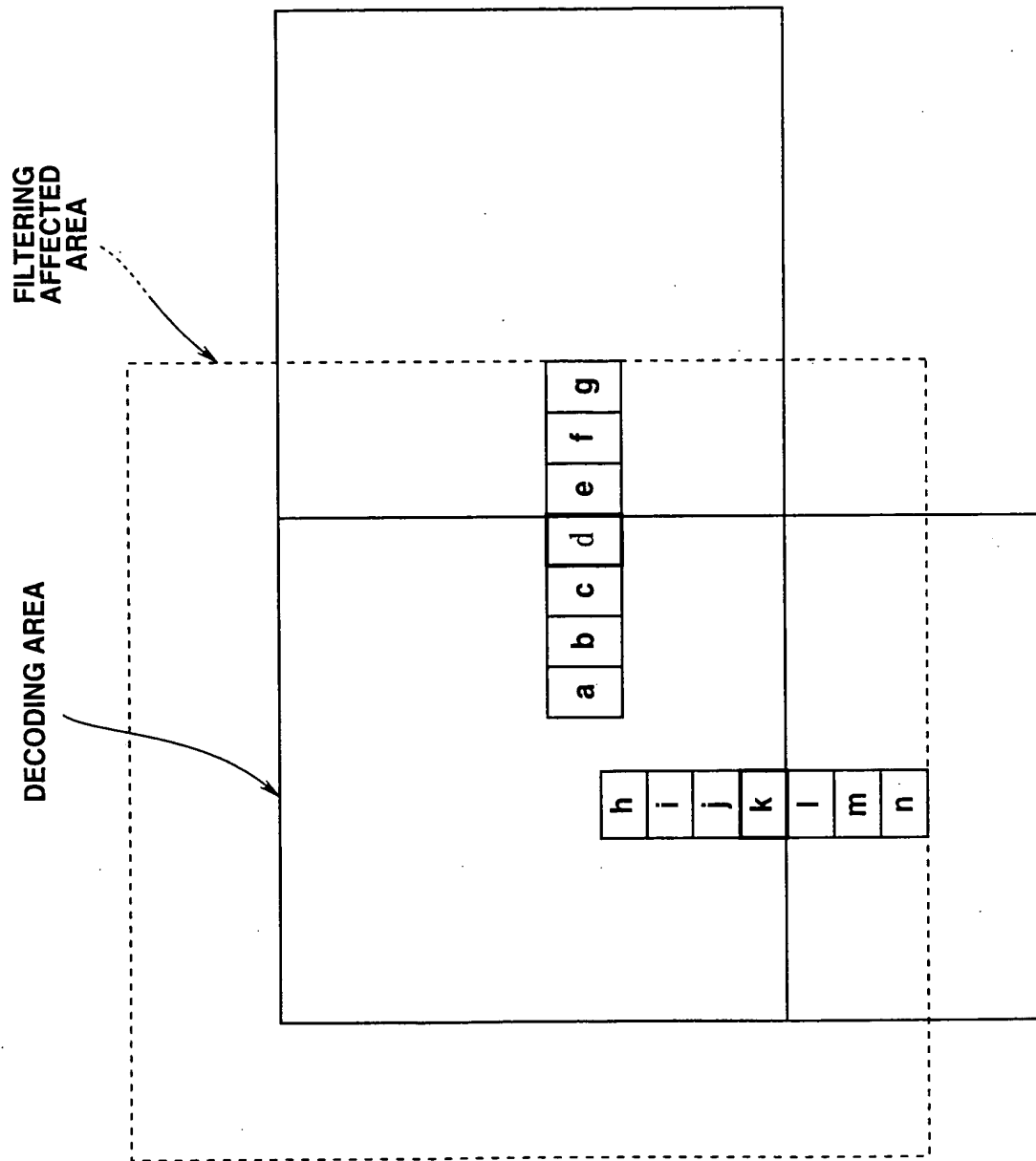


FIG.8





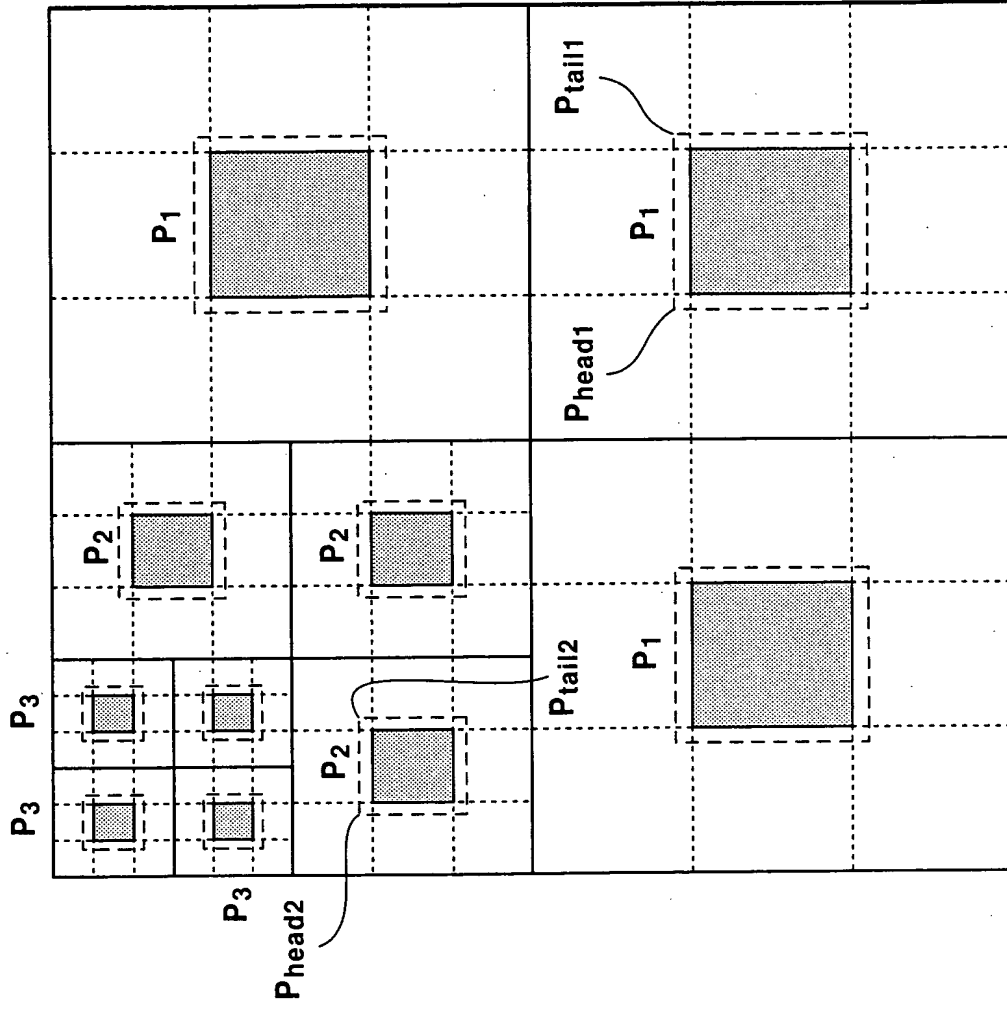


FIG.10

# 60 WAVELET INVERSE TRANSFORM DEVICE

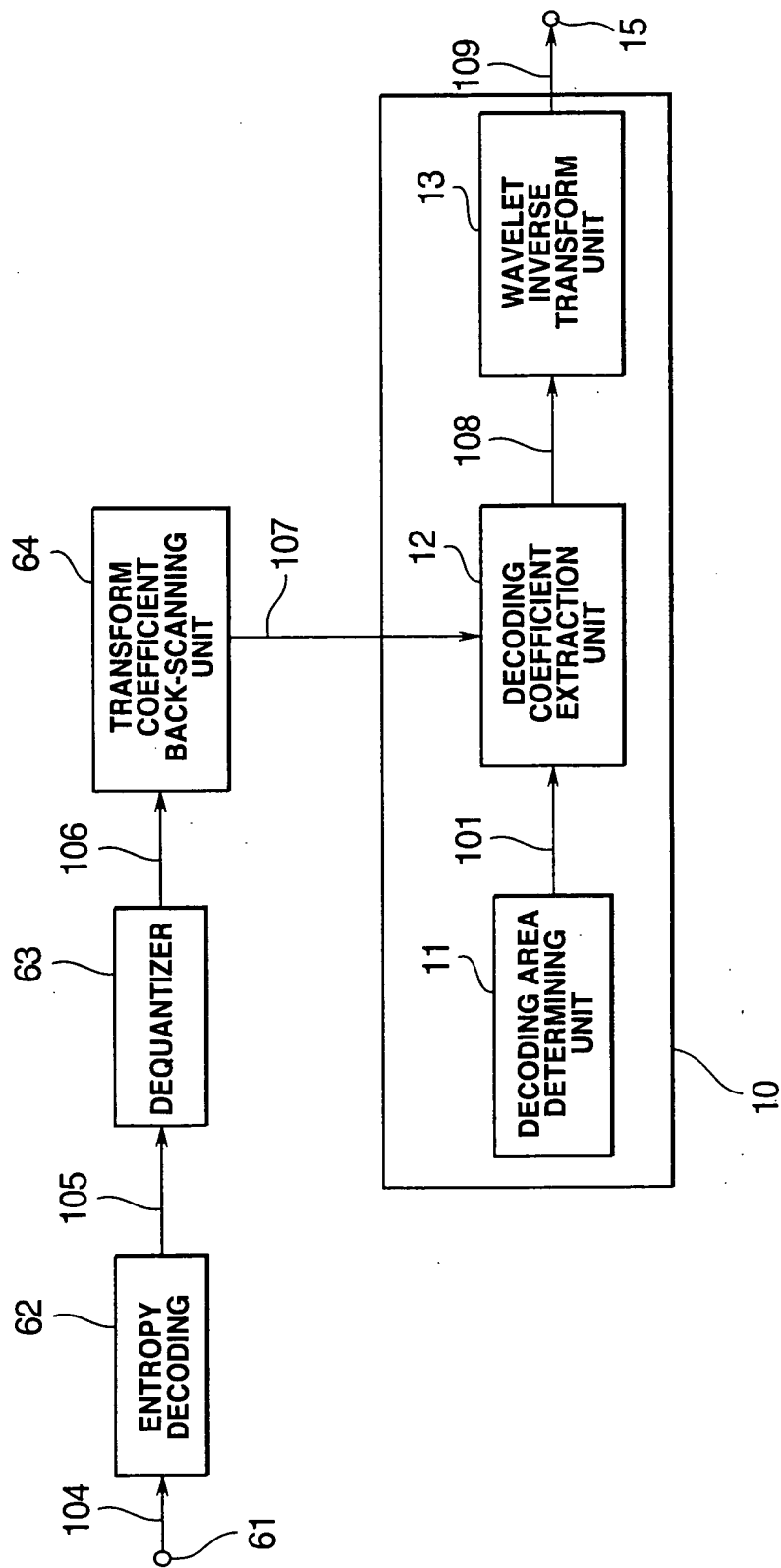


FIG.11

70 WAVELET TRANSFORM ENCODING DEVICE

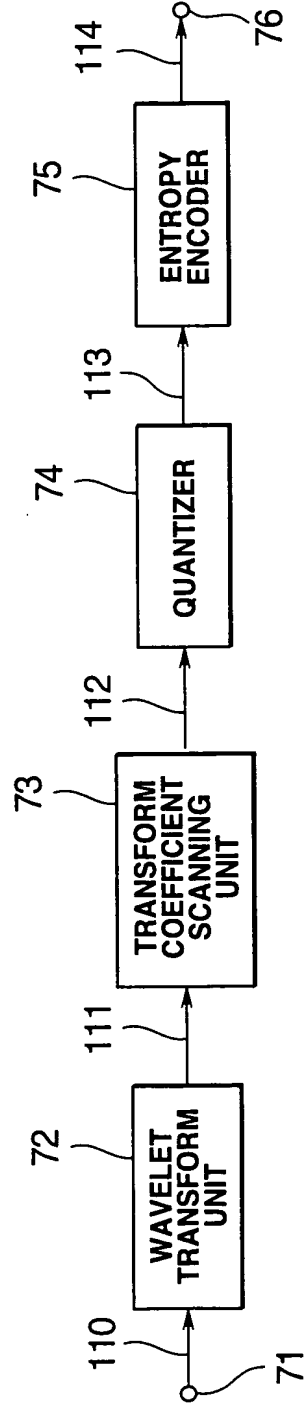


FIG.12